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FIG 1

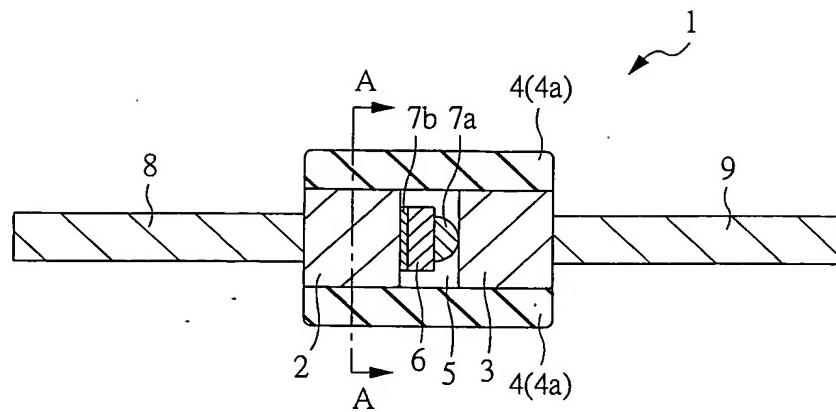


FIG 2

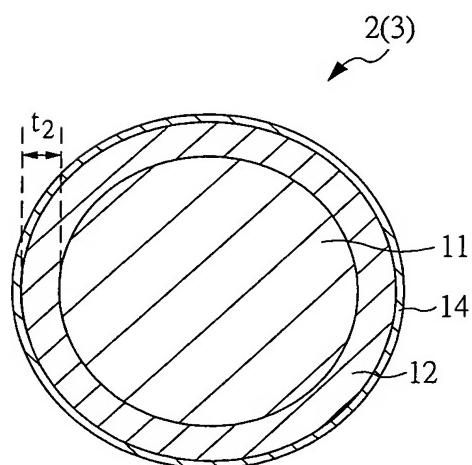


FIG 3

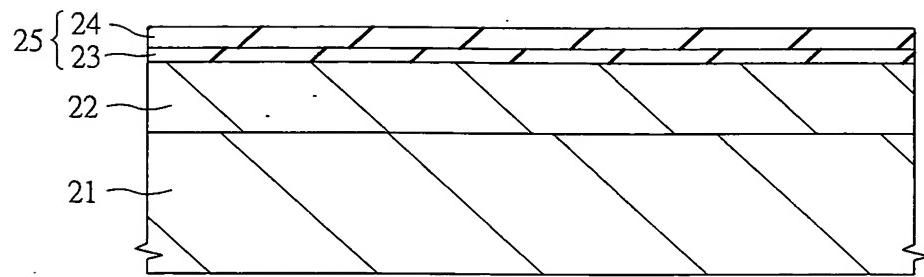


FIG 4

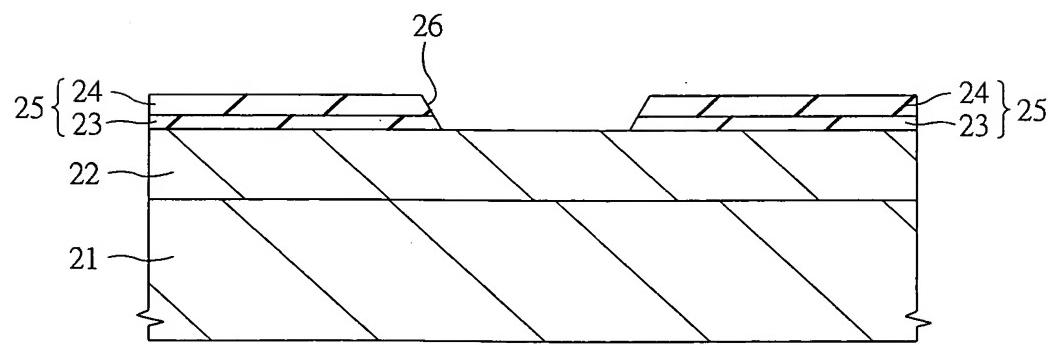


FIG 5

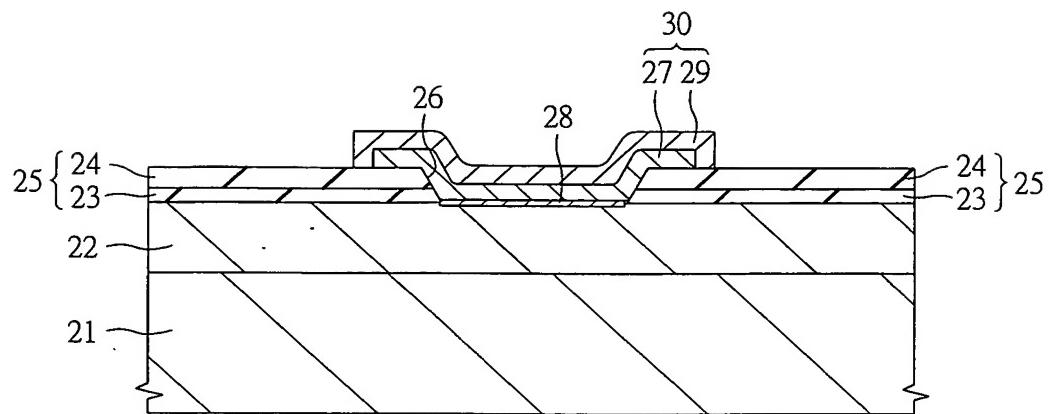


FIG 6

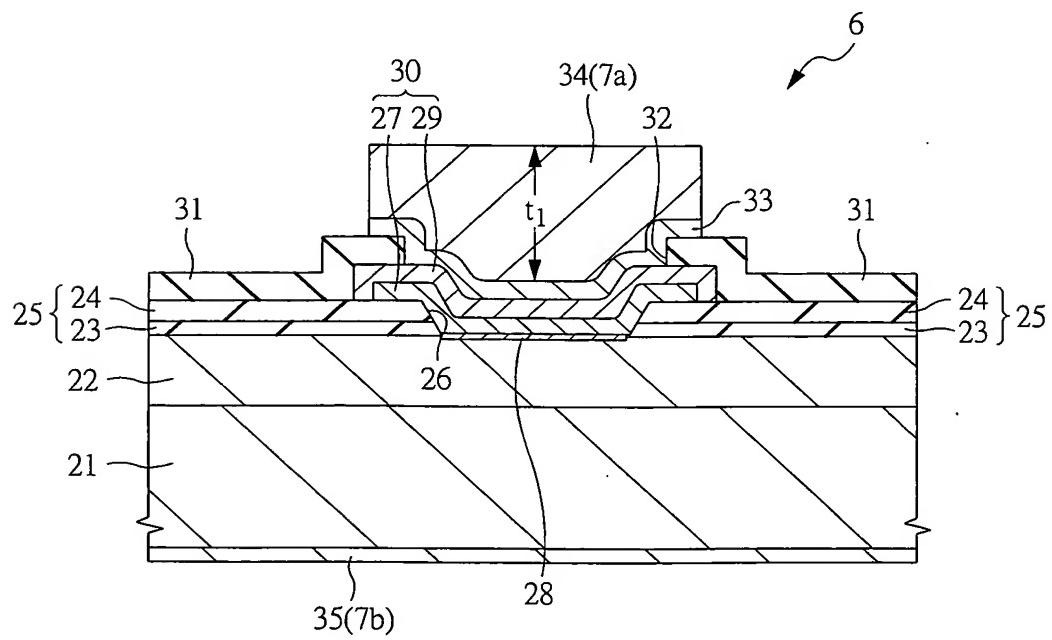


FIG 7

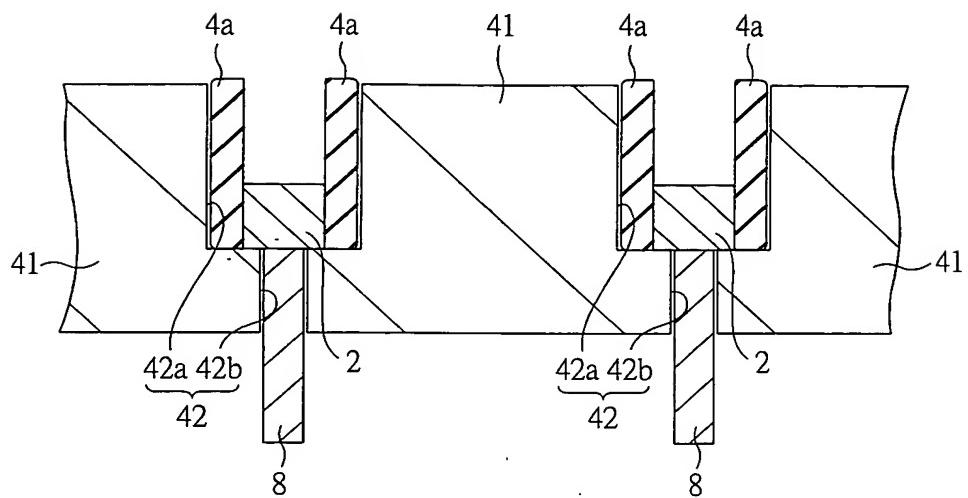


FIG 8

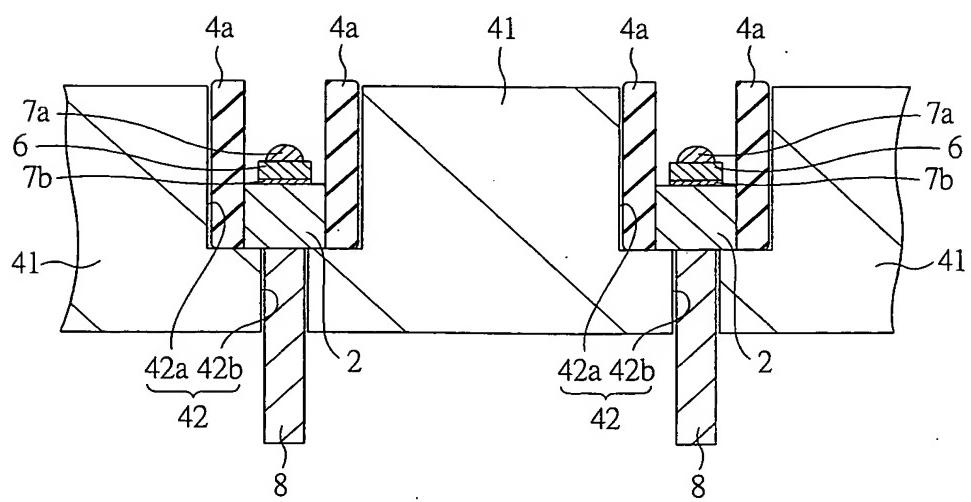


FIG 9

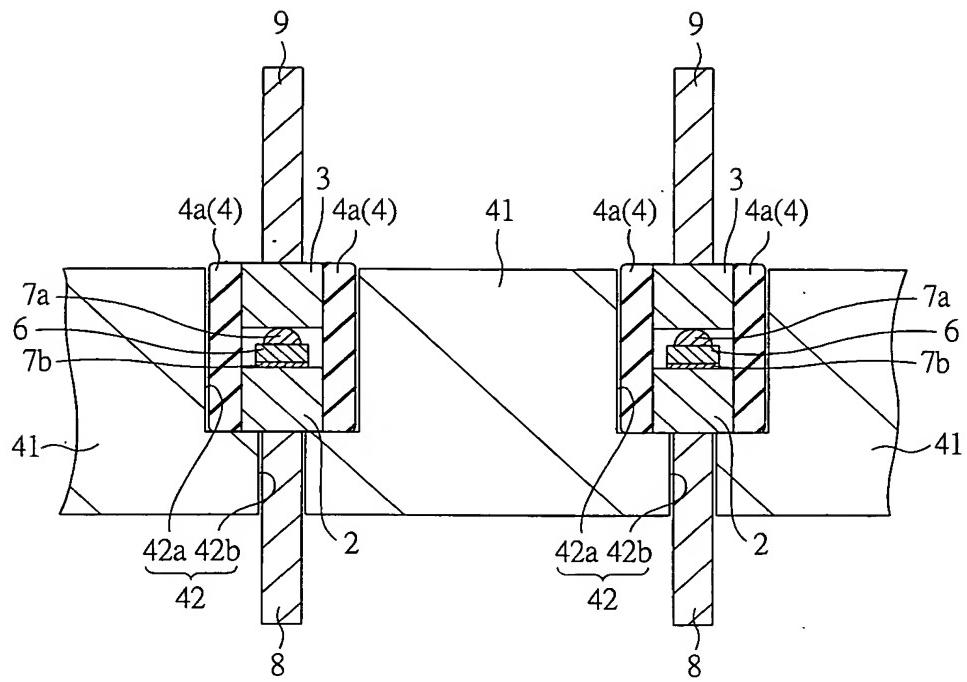


FIG 10

Characteristics		Glass material G ₁	Glass material G ₂ (low-melting-point glass)
Coefficient of thermal expansion	30~380°C	$\times 10^{-7}/K$	91
Concentration		$\times 10^3 \text{ kg/m}^3$	4.31
Distortion point		°C	4.47
Slow cooling point		°C	390
Softening point		°C	395
Adhesive sealing temperature		°C	430
Working temperature		°C	430
Volume resistivity($\log \rho$)	150°C	$\Omega \cdot \text{cm}$	575
	250°C	$\Omega \cdot \text{cm}$	552
Dielectric constant	1MHz,25°C		655
$\tan \delta$	1MHz,25°C	$\times 10^{-4}$	620
Tone		Transparency	Transparency
Composition		$\text{K}_2\text{O} \cdot \text{PbO} \cdot \text{SiO}_2$	$\text{K}_2\text{O} \cdot \text{PbO} \cdot \text{SiO}_2$
Na ₂ O content		wt.%	<0.1
			<0.1

FIG 11

	Dumet electrodes 2 and 3	Dumet electrode D _{ce} of comparative example
Ratio of copper layer 12 (wt%)	20~25	14~19
Ni content in core portion 11 (wt%)	41~43	46~48

FIG 12

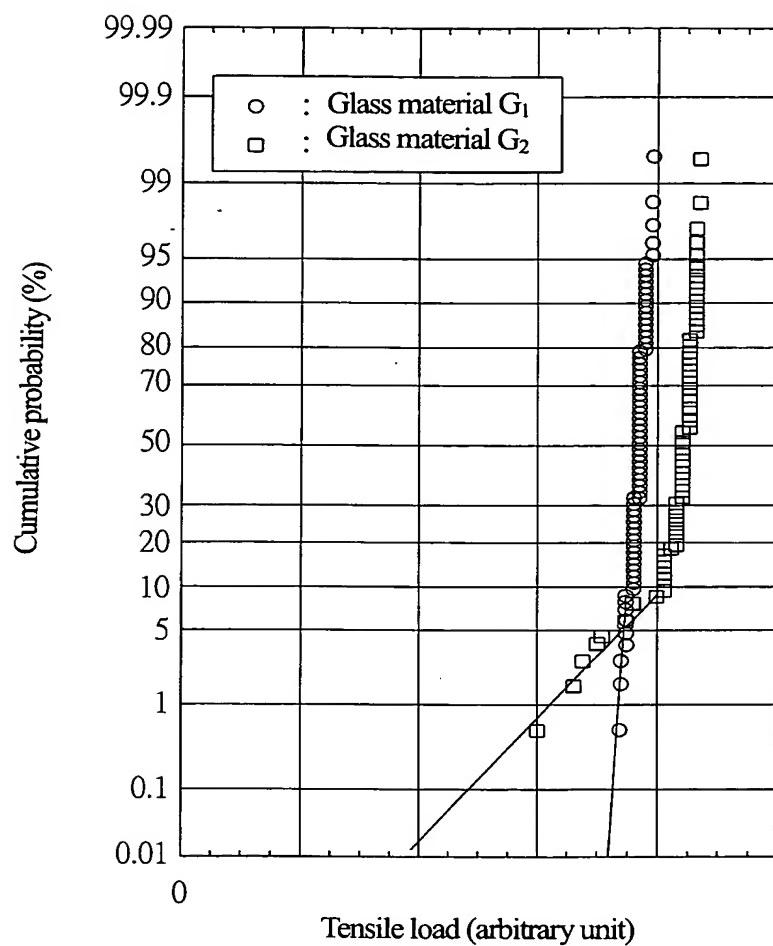


FIG 13

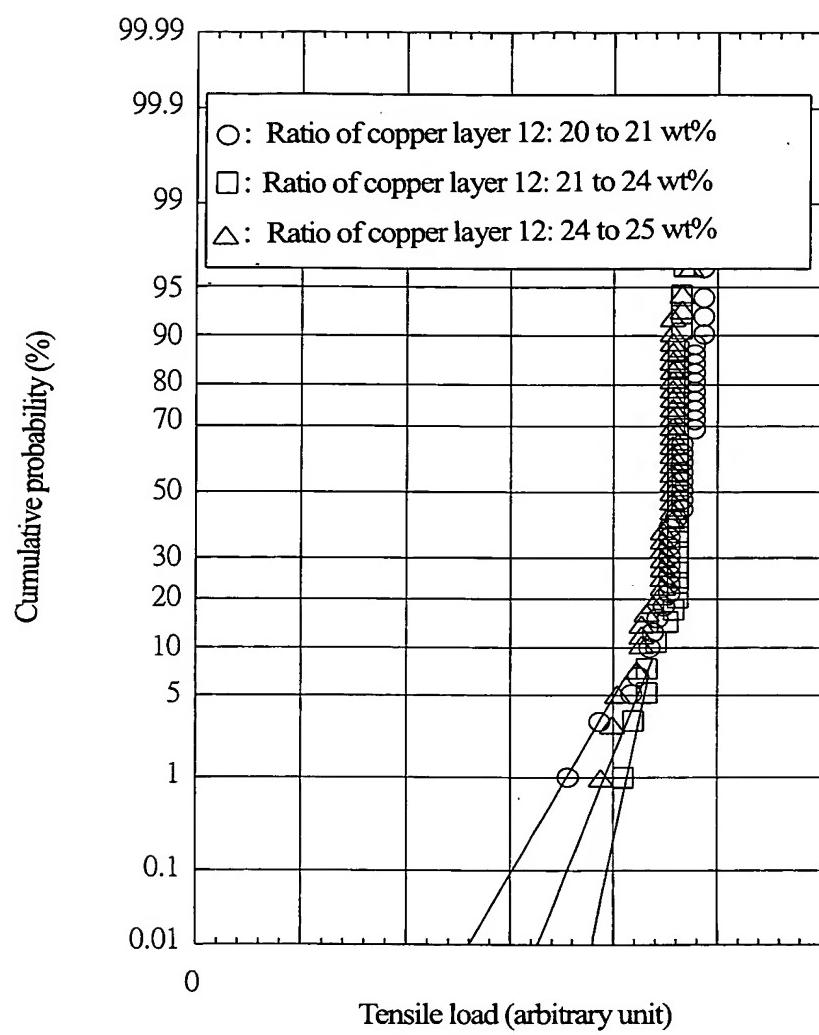


FIG 14

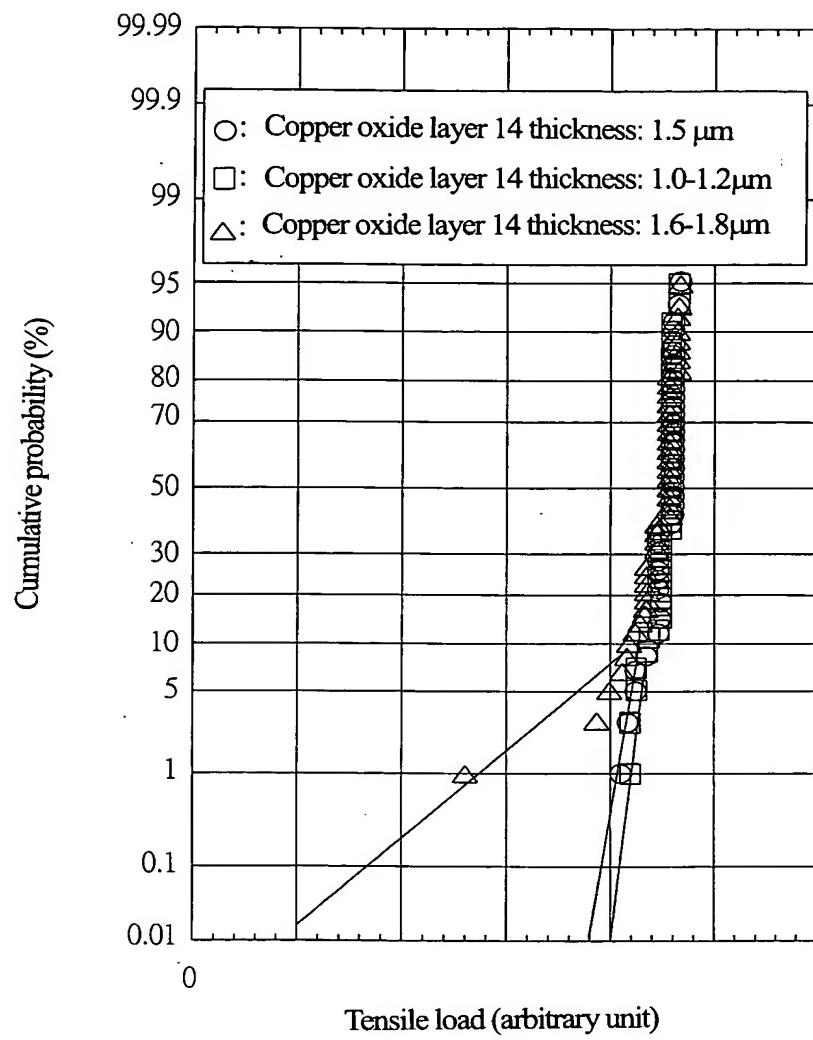


FIG 15

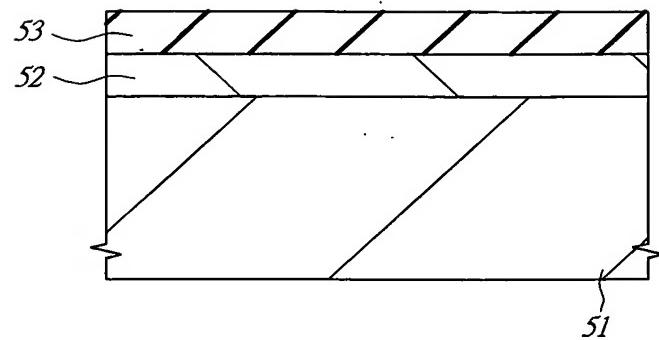


FIG 16

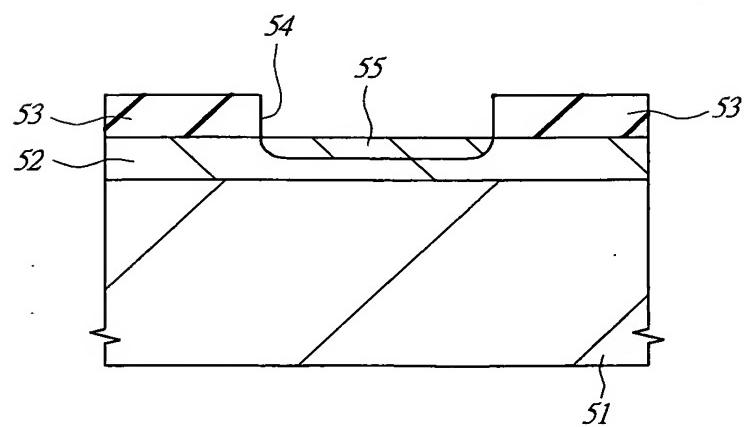


FIG 17

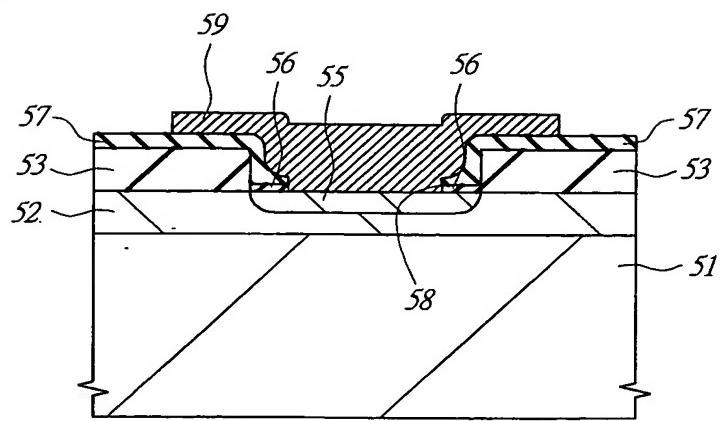


FIG 18

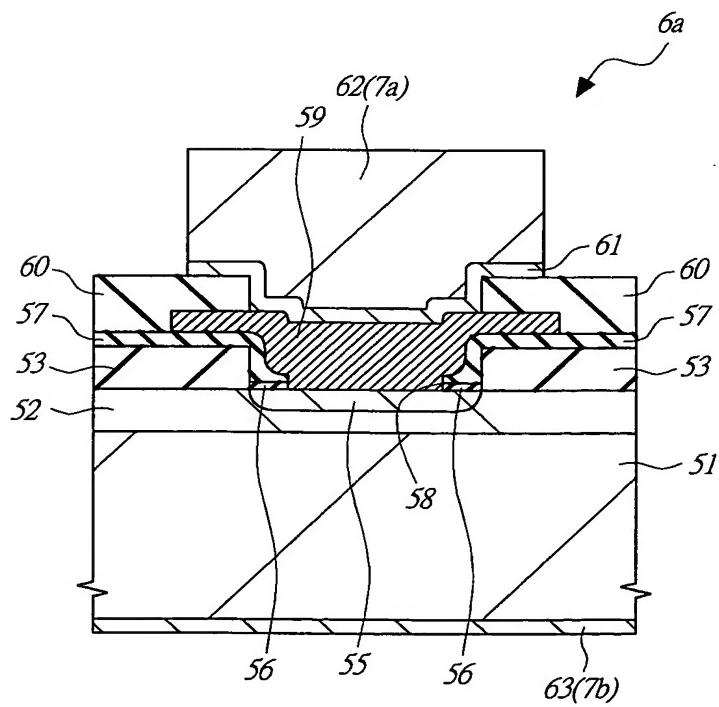


FIG 19

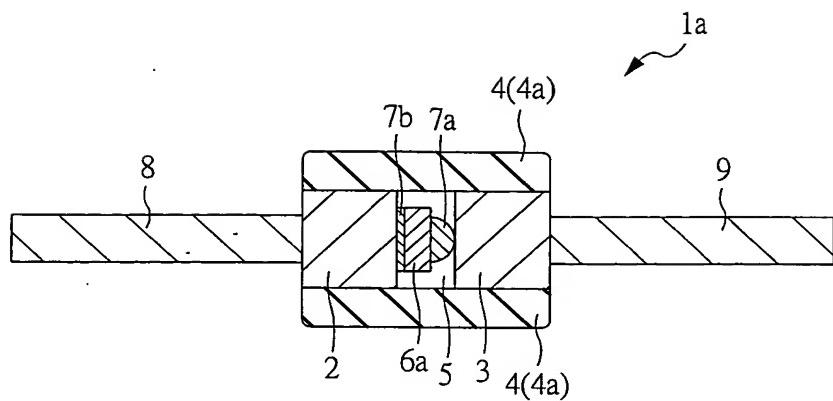


FIG 20

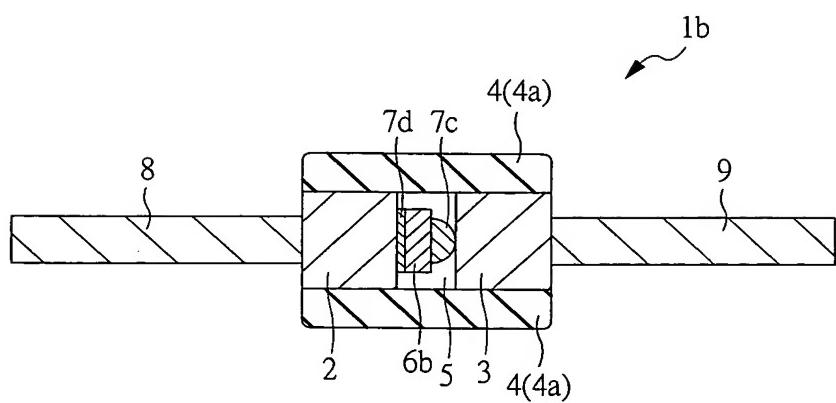


FIG 21

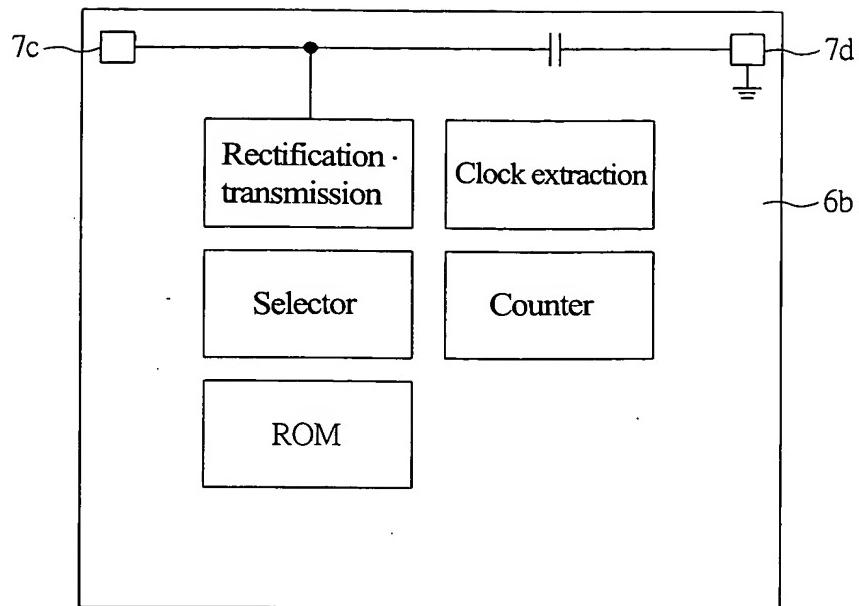


FIG 22

